



**TECHNICKÝ A ZKUŠEBNÍ ÚSTAV STAVEBNÍ PRAHA, s.p.**  
**Technical and Test Institute for Construction Prague**

Akreditovaná zkušební laboratoř, Autorizovaná osoba, Notifikovaná osoba, Oznamovaný subjekt, Subjekt pro technické posuzování, Certifikační orgán, Inspekční orgán / Accredited Testing Laboratory, Authorized Body, Notified Body, Technical Assessment Body, Certification Body, Inspection Body. Prosecká 811/76a, 190 00 Praha 9 - Prosek, Czech Republic

Branch 0300 – Pilsen

# CERTIFICATE

No. 030 – 049969

on the qualities of a product

**Certified quality: slipperiness, resistance to surface abrasion, resistance to stains**  
 according to the following test procedures:

- DIN 51130 Testing of floor coverings – Determination of the anti-slip properties – Workrooms and fields of activities with slip danger, walking method – ramp test  
 DIN 51097 Testing of floor coverings – Determination of the anti-slip properties – wet-loaded barefoot areas – walking method – ramp test  
 ČSN EN ISO 10545-7 Ceramic tiles – Part 7: Determination of resistance to surface abrasion for glazed tiles  
 ČSN EN ISO 10545-14 Ceramic tiles – Part 14: Determination of resistance to stains

**Product:** Ceramic tiles dry pressed series: PEBBLES, ANA COTTO, ANA TERRA

**Producer:** Zorka Keramika d.o.o., Hajduk Veljkova 1, 15 000 Šabac, Serbia

**Order:** Z 030140177

**Achieved values:**

Testing of samples	Resistance to surface abrasion	Resistance to stains	DIN 51097 classification	DIN 51130 classification
			barefoot	shoe
series: PEBBLES, ANA COTTO, ANA TERRA	IV. class	5. class resistance – cleaning procedure A	B	R 11

Test results can be applied to the entire series because of the same production technology, including decorating the surface.

The certificate is issued on the basis of the results of the tests stated in report No. 030–046566 from 14 May 2012.

Number of pages of certificate: 1

Certificate validity: till 30<sup>th</sup> June 2016

The certificate can be cancelled upon finding non-adherence to the certified parameters of product qualities.  
 Pilsen 1<sup>st</sup> June 2014



Ing. Alexander Trinner  
 Branch Director

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Branch 0300 – Pilsen

# CERTIFICATE

No. 030 – 052146

on the qualities of a product

Certified slipperiness according to the following test procedures:

DIN 51097 Testing of floor coverings determination of anti – slip properties wet-loaded barefoot areas, walking method – ramp test

DIN 51130 Testing of floor coverings determination of anti – slip properties; workrooms and fields of activities with raised slip langer, walking method – ramp test

**Product:** Ceramic tiles dry pressed  
series: Paladiana, Dubai, Brick Rosso

**Producer:** Zorka Keramika d.o.o., Hajduk Veljkova 1, 15 000 Šabac, Serbia

**Order:** Z 030150314

**Achieved values:**

Testing of samples	DIN 51097	DIN 51130
serie: Paladiana, Dubai, Brick Rosso	23° Gruppe B	18,5° Gruppe R 10

The certificate is issued on the basis of the results of the tests stated in report No. 030–047376 formulation of producer (constant technology of ceramic tiles).

Number of pages of certificate: 1

Certificate validity: till 30<sup>th</sup> September 2017

The certificate can be cancelled upon finding non-adherence to the certified parameters of product qualities.

Pilsen 20<sup>th</sup> September 2015



Stamp of TZUS – branch Pilsen

Ing. Alexander Trinner  
Branch Director

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Branch 0300 – Pilsen

# CERTIFICATE

No. 030 – 052259

**on the qualities of a product**

Certified **slipperiness** according to the following test procedures:

DIN 51097 Testing of floor coverings determination of anti – slip properties wet-loaded barefoot areas; walking method – ramp test

DIN 51130 Testing of floor coverings determination of anti – slip properties; workrooms and fields of activities with raised slip langer, walking method – ramp test

**Product:** Ceramic tiles dry pressed  
series: Paladiana, Dubai, Brick Rosso

**Producer:** Zorka Keramika d.o.o., Hajduk Veljkova 1, 15 000 Šabac, Serbia

**Order:** Z 030150314

**Achieved values:**

Testing of samples	DIN 51097 (barefoot) classification	DIN 51130 (shoe) classification
serie: Porfido 30/60	no testing	14,7° R 10
serie: Rock 30/60	no testing	11,9° R 10
serie: Cemento 30/60	no testing	18,1° R 10
serie: Terra 30/60	no testing	19,0° R10
serie: Forest 30/60	13,0° A	14,8° R 10
serie: Fossil	20,0° B	18,1° R 10
serie: Villet	no testing	9,9° R 9

The certificate is issued on the basis of the results of the tests stated in report No. 030–052258 from 20<sup>th</sup> October 2015.

Number of pages of certificate: 1

Certificate validity: **till 31<sup>st</sup> October 2017**

The certificate can be cancelled upon finding non-adherence to the certified parameters of product qualities.

Pilsen 20<sup>th</sup> October 2015



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Branch Director

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Branch 0300 – Pilsen

# CERTIFICATE

No. 030 – 049968

on the qualities of a product

**Certified quality: slipperiness, resistance to surface abrasion, resistance to stains**  
 according to the following test procedures:

- DIN 51130 Testing of floor coverings – Determination of the anti-slip properties – Workrooms and fields of activities with slip danger, walking method – ramp test  
 DIN 51097 Testing of floor coverings – Determination of the anti-slip properties – wet-loaded barefoot areas – walking method – ramp test  
 ČSN EN ISO 10545-7 Ceramic tiles – Part 7: Determination of resistance to surface abrasion for glazed tiles  
 ČSN EN ISO 10545-14 Ceramic tiles – Part 14: Determination of resistance to stains

**Product:** Ceramic tiles dry pressed series: TUSCANY  
**Producer:** Zorka Keramika d.o.o., Hajduk Veljkova 1, 15 000 Šabac, Serbia  
**Order:** Z 030140177

Achieved values:

Testing of samples	Resistance to surface abrasion	Resistance to stains	DIN 51097 classification	DIN 51130 classification
			barefoot	shoe
series: TUSCANY	IV. class	5. class resistance – cleaning procedure A	B	R 10

Test results can be applied to the entire series because of the same production technology, including decorating the surface.

The certificate is issued on the basis of the results of the tests stated in report No. 030–046566 from 14 May 2012.

Number of pages of certificate: 1

Certificate validity: till 30<sup>th</sup> June 2016

The certificate can be cancelled upon finding non-adherence to the certified parameters of product qualities.  
 Pilsen 1<sup>st</sup> June 2014



Stamp of TZÚS – branch Pilsen

Ing. Alexander Trinner  
 Branch Director

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Branch 0300 – Pilsen

# CERTIFICATE

No. 030 – 052143

about the qualities of a product

Certified quality: **SLIPPERINESS** according to the following test procedures:

- DIN 51130 Testing of floor coverings – Determination of the anti-slip properties – Workrooms and fields of activities with slip danger, walking method – ramp test
- DIN 51097 Testing of floor coverings – Determination of the anti-slip properties – wet-loaded barefoot areas – walking method – ramp test

Product: Ceramic tiles dry pressed  
series: KELT, WAVES, CRYSTAL, ANA TERRA, ANA COTTO,  
ANA RED, ANA SAND, ANA GREY, KD (industrial)

Producer: Zorka Keramika d.o.o., Hajduk Veljkova 1, 150 00 Šabac, Serbia

Order: Z 030150314

Achieved values and recommended use:

Testing of samples	DIN 51097 (barefoot) classification	DIN 51130 (shoe) classification
serie: WAVES	no testing	R 10
serie: ANA TERRA, ANA COTTO	no testing	R 11
serie: ANA RED, ANA SAND, ANA GREY	no testing	R 10
serie: KD (industrial)	C	R 12

The certificate is issued on the basis of the results of the tests stated in report no. 030-042520, formulation of producer (constant technology of ceramic tiles).

Number of pages of certificate: 1

Certificate validity: till 30<sup>th</sup> September 2017

The certificate can be cancelled upon finding non-adherence to the certified parameters of product qualities.

Pilsen 20<sup>th</sup> September 2015



Stamp of TZUS – branch Pilsen

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Branch Director

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Branch 0300 – Pilsen

# CERTIFICATE

No. 030 – 052144

## about the qualities of a product

**Certified quality:** SLIPPERINESS  
according to the following test procedures:

**DIN 51097** Testing of floor coverings – Determination of the anti-slip properties – wet-loaded barefoot areas – walking method – ramp test

**Product:** ceramic tiles dry pressed serie: **CRYSTAL FT**

**Producer:** Zorka Keramika d.o.o., Hajduk Veljkova 1, 150 00 Šabac Serbia

**Order:** Z 030150314

**Achieved values and recommended use:**

ceramic tiles dry pressed serie <b>CRYSTAL FT</b>	<b>DIN 51130 (shoe)</b> classification	<b>DIN 51097 (barefoot)</b> classification
	<b>18,3° R 10</b>	<b>23° class B</b>

The certificate is issued on the basis of the results of the tests stated in report no. 030-045026, formulation of producer (constant technology of ceramic tiles).

Number of pages of certificate: 1

Certificate validity: **till 30<sup>th</sup> September 2017**

The certificate can be cancelled upon finding non-adherence to the certified parameters of product qualities

Pilsen 20<sup>th</sup> September 2015



Stamp of TZUS – branch Pilsen

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Branch Director

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Branch 0300 – Pilsen

# CERTIFICATE

No. 030 – 052147

## about the qualities of a product

Certified quality: **SLIPPERINESS, CHEMICAL RESISTANCE, RESISTANCE TO STAINS**  
according to the following test procedures:

**DIN 51130** Testing of floor coverings – Determination of the anti-slip properties – Workrooms and fields of activities with slip danger, walking method – ramp test  
**DIN 51097** Testing of floor coverings – Determination of the anti-slip properties – wet-loaded barefoot areas – walking method – ramp test  
**EN ISO 10545-13** Ceramic tiles – Part 13: Determination of chemical resistance  
**EN ISO 10545-14** Ceramic tiles – Part 14: Determination of resistance to stains  
**Product:** Ceramic tiles dry pressed serie PUBLIC  
**Producer:** Zorka Keramika d.o.o., Hajduk Veljkova 1, 150 00 Šabac, Serbia  
**Order:** Z 030150314

Achieved values and recommended use:

<b>Slipperiness of serie PUBLIC:</b>	<b>DIN 51097 (barefoot) classification</b>		<b>DIN 51130 (shoe) classification</b>			
	<b>Class A</b>		<b>R 10</b>			
<b>Determination of resistance to stains of serie PUBLIC: EN ISO 10545-14 the best class of resistance 5</b>	<b>Chrome green</b>		<b>Iodine</b>		<b>Olive oil</b>	
	Method of cleaning	Class of resistance	Method of cleaning	Class of resistance	Method of cleaning	Class of resistance
	A	5	A	5	A	5
<b>Determination of chemical resistance of serie PUBLIC: EN ISO 10545-13 the best class of resistance A</b>	<b>NH<sub>4</sub>Cl</b>	<b>NaClO</b>	<b>HCl</b>	<b>Citric acid</b>	<b>Lactic acid</b>	<b>KOH</b>
	GA	GA	GLA, GHA	GLA	GHA	GLA, GHA

The certificate is issued on the basis of the results of the tests stated in report no. 030-044434 formulation of producer (constant technology of ceramic tiles).

Number of pages of certificate: 1

Certificate validity: till 30<sup>th</sup> September 2017

The certificate can be cancelled upon finding non-adherence to the certified parameters of product qualities.

Pilsen 20<sup>th</sup> September 2015



Stamp of TZUS – branch Pilsen

Ing. Alexander Trinner  
Branch Director

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Branch 0300 – Pilsen

# CERTIFICATE

No. 030 – 052145

about the qualities of a product

Certified quality: **SLIPPERINESS** according to the following test procedures:

- DIN 51130 Testing of floor coverings – Determination of the anti-slip properties – Workrooms and fields of activities with slip danger, walking method – ramp test
- DIN 51097 Testing of floor coverings – Determination of the anti-slip properties – wet-loaded barefoot areas – walking method – ramp test
- Product: Ceramic tiles dry pressed  
series: CITY ANTHRACITE – FT
- Producer: Zorka Keramika d.o.o., Hajduk Veljkova 1, 150 00 Šabac, Serbia
- Order: Z 030150314

Achieved values and recommended use:

Testing of samples	DIN 51097 (barefoot) classification	DIN 51130 (shoe) classification
serie: CITY ANTHRACITE – FT	B	R 10

The certificate is issued on the basis of the results of the tests stated in report no. 030-042520, formulation of producer (constant technology of ceramic tiles).

Number of pages of certificate: 1

Certificate validity: till 30<sup>th</sup> September 2017

The certificate can be cancelled upon finding non-adherence to the certified parameters of product qualities.

Pilsen 20<sup>th</sup> September 2015



Stamp of TZUS – branch Pilsen

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Branch 0300 – Pilsen

# CERTIFICATE

No. 030 – 051190

## about the qualities of a product

**Certified quality: SLIPPERINESS** according to the following test procedures:

- DIN 51130 Testing of floor coverings – Determination of the anti-slip properties – Workrooms and fields of activities with slip danger, walking method – ramp test
- DIN 51097 Testing of floor coverings – Determination of the anti-slip properties – wet-loaded barefoot areas – walking method – ramp test
- P CEN/TS 16165 Determination of slip resistance of pedestrian surfaces – Methods of evaluation
- Product:** Ceramic tiles Dry – pressed ceramic tiles with water absorption ( $E \leq 0,5\%$ ) declared according EN 14411, Group B Ia Annex G
- Producer:** Zorka Keramika d.o.o., Hajduk Veljkova 1, 150 00 Šabac, Serbia
- Order:** Z 030140371

**Achieved values and recommended use:**

### Determination of friction – Method of inclined platform – test shoes

Testing samples	Critical angle of slip classification according DIN 51097	Critical angle of slip classification according DIN 51130
design MOON 45/45 cm	17,0 ° class of slip resistant A	15,1 ° class of slip resistant R10
design ROCK 45/45 cm	29,0 ° class of slip resistant C	25,6 ° class of slip resistant R11

The certificate is issued on the basis of the results of the tests stated in report no. 030–050949.

Number of pages of certificate: 1

Certificate validity: till 31<sup>st</sup> March 2018

The certificate can be cancelled upon finding non-adherence to the certified parameters of product qualities.

Pilsen 1<sup>st</sup> March 2015



Stamp of TZÚS – branch Pilsen

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